50	GND
48	GND
41	IOREQ
37	WR
35	RD
33	A 7
31	A 6
29	A 5
27	A 4
25	A 3
23	A 2
21	A 1
19	A Ø
17	D 7
15	D 6
13	D 5
11	D 4
9	D 3
7	D 2
5	D 1
3	D Ø

CN1

IC10 LS 138

IC9

LS 139

IC6 8255

RHYTHM TRIG.

TEMPO CLOCK

CHANNEL CELECT

RES GND

PORT

CV DATA

GATE DATA

RA 1 10K X8

RA 2 100K X7

TONE GEN

IC8 8253

IC7 8253 NEC only

DATA BUS

TUNE GATE

TONE CLOCK

TONE 1~6

CHANNEL SELECT

CLOCK OUT JACK

CN2

CN1

CN3

TEMPO CLOCK CN2-2

OUT CLOCK IN

CV OUT CH 1 2 3 4 5 6 7 8

IC2 4051

ANALOG DEMUX

HOLD & BUFFER

CONFIG

REF V

IC4 4049 only

IC5A

IC5B

IC3B

IC1

IC3

OFF SET

TC VR1 4.7K

WIDTH

VR2 6.8K

6.215V

9.697V

1525B

LT

HT

MT

CY

SD

BD

OH

CH

IC11 TC4584 only

IC13

IC14

IC16

IC12

IC15

POR OUT

POR IN

GATE 1~8

IC2 LS 259 TI only

SUSTAIN

ENV

VR1 1MA

DECAY

VR2 100KB

VR10 1MA

PORTA-MENTO

IC4

BUFFER

GATE OUT CH 1 2 3 4 5 6 7 8

MIX

RHYTHM

MELODY

BASS

CHORD

VR3 100KB

VR4 100KB

VR5 50KA

VR6 50KA

VR7 50KA

VR8 50KA

VR9 10KA

VR11 1MC

TEMPO

LED 1H

LED 2

FUSE BOARD 052H348

SW1

MARQU ARDT 1801-0102

F1

T1

IC1 7805

IC2 7815

IC3 7915

CN1

CN2

CN3

Volt	100	117	220	240
(1)	WHT	WHT	BLU	BLU
(2)	BLK	BLK	BRN	BRN
GND	—	BRN YEL	RED YEL	BRN YEL
(7)	WHT	WHT	WHT	WHT
(8)	BLU	GRN	BRN	RED
(9)	GRN	BLU	RED	BRN